AMENDMENTS

In the Claims:

Please amend the claims as indicated hereafter.

1. (Currently Amended) A communication system, comprising:

a location indicator ~~communicatively coupled to each of a plurality of transceivers, the location indicator~~ configured to provide an indication ~~indicative~~ of whether [[the]] a plurality of transceivers residing at a premise are located at an intermediate terminal ~~or a central office~~ of a telecommunication network; and

logic configured to control a configuration of a physical layer of each of the transceivers based on the ~~location indicator~~ indication such that, for each of the transceivers, a transmit power level or a bandwidth is based on whether the indication indicates that the plurality of transceivers are located at the intermediate terminal.

2. (Original) The communication system of claim 1, wherein the location indicator is a one-bit indicator.

3. (Original) The communication system of claim 1, wherein the location indicator comprises a mechanical switch.

4. (Original) The communication system of claim 1, wherein the location indicator comprises an electrical pin.

5. (Original) The communication system of claim 1, wherein the location indicator comprises a data value stored in memory.

6-7. (Canceled)

8. (Original) The communication system of claim 1, wherein the location indicator is remotely located from the plurality of transceivers.

9. (Currently Amended) The communication system of claim 8, wherein [[a]] the telecommunication network is configured to transmit data indicative of the location indicator to the plurality of transceivers via an operational control channel of the telecommunication network.

10. (Currently Amended) A communication system, comprising:

a first transceiver residing at a ~~premises~~ premise, the first transceiver coupled to a feeder distribution interface (FDI) of a telecommunication network and configured to communicate with a remote transceiver through the FDI based on a set of operational control settings; and

a location indicator configured to provide an indication ~~indicative~~ of ~~whether a distance from~~ the first transceiver's proximity relative to the ~~FDI is substantially less than a distance from a central office transceiver to the~~ FDI,

wherein the first transceiver is further configured to establish its set of operational control settings based on the ~~location indicator~~ indication such that a transmit power level or a bandwidth of the first transceiver is based on the indicated proximity.

11. (Original) The communication system of claim 10, wherein the location indicator is a one-bit indicator.

12. (Original) The communication system of claim 10, wherein the location indicator comprises a mechanical switch.

13. (Original) The communication system of claim 10, wherein the location indicator comprises an electrical pin.

14. (Original) The communication system of claim 10, wherein the location indicator comprises a data value stored in memory.

15-16. (Canceled)

17. (Currently Amended) A communication system, comprising:

a plurality of transceivers residing at a premise; and

means for indicating whether the plurality of transceivers are located at an intermediate terminal ~~or a central office~~ of a telecommunication network, the indicating means ~~communicatively coupled~~ configured to provide, to each of the plurality of transceivers, an indication of whether the plurality of transceivers are located at the intermediate terminal,

wherein each of the plurality of transceivers comprises a means for controlling the [[one]] respective transceiver based on the ~~indicating means~~ indication such that a transmit power level or a bandwidth of the respective transceiver is based on whether the indication indicates that the plurality of transceivers are located at the intermediate terminal.

18. (Currently Amended) A communication method, comprising the steps of:

providing a transceiver;

transmitting, to the transceiver, data indicating a proximity of the transceiver relative to ~~whether the transceiver is located at an intermediate terminal or a central office~~ a feeder distribution interface (FDI) of a telecommunication network; and

controlling a configuration of a physical layer of the transceiver based on the data such that a transmit power level or a bandwidth of the transceiver is based on the proximity indicated by the data.

19. (Original) The communication method of claim 18, wherein the data is based on a state of a mechanical switch.

20. (Original) The communication method of claim 18, wherein the data is based on an electrical pin.

21. (Original) The communication method of claim 18, further comprising the step of retrieving the data from memory.

22. (Currently Amended) The communication method of claim 18, further comprising the step of transmitting a signal from the transceiver to a remote transceiver, wherein the controlling step comprises the step of controlling a frequency of the signal based on the data.

23. (Currently Amended) The communication method of claim 18, further comprising the step of transmitting a signal from the transceiver to a remote transceiver, wherein the controlling step comprises the step of controlling a power level of the signal based on the data.

24. (Canceled)

25. (Original) The communication method of claim 18, further comprising the step of transmitting a signal from the transceiver to a remote transceiver, wherein the controlling step comprises the step of controlling a power level of the transceiver as a function of frequency of the signal.

26. (Currently Amended) A communication method, comprising the steps of:

transmitting a signal from a first transceiver to a feeder distribution interface (FDI) of a telecommunication network;

~~indicating, via a location indicator, whether a distance from~~ indicating a proximity of the first transceiver relative to the ~~FDI is substantially less than a distance from a central office transceiver to the~~ FDI; and

controlling a configuration of a physical layer of the first transceiver based on the proximity indicated by the ~~location indicator~~ indicating step such that an amount of crosstalk interfering with signals transmitted by ~~the central office~~ a second transceiver at a central office of the telecommunication network is reduced.

27. (Currently Amended) The communication method of claim 26, wherein the signal transmitted from the first transceiver is transmitted through a cable, and wherein the method further comprises the step of transmitting a signal from the ~~central office~~ second transceiver through the cable.

28. (Currently Amended) The communication method of claim 26, wherein the controlling step comprises the step of controlling, based on the proximity indicated by the indicating step, a frequency of the signal transmitted by the first transceiver.

29. (Currently Amended) The communication method of claim 26, wherein the controlling step comprises the step of controlling, based on the proximity indicated by the indicating step, a power level of the signal transmitted by the first transceiver.

30. (Currently Amended) The communication method of claim 26, further comprising the step of transmitting data indicative of the ~~location indicator~~ proximity over an operational control channel of [[a]] the telecommunication network, wherein the controlling step is based on the data.

31. (New) The communication system of claim 1, wherein each of the transceivers is located at the intermediate terminal, wherein at least one of the transceivers is coupled to a remote transceiver via a cable, and wherein a transceiver at a central office of the telecommunication network is coupled to a remote transceiver via the cable.

32. (New) The communication system of claim 31, wherein the logic is configured to establish a transmit power level or a bandwidth for the at least one transceiver based on the indication such that crosstalk introduced to signals communicated by the transceiver at the central office is reduced.

33. (New) The communication system of claim 10, wherein the first transceiver is coupled to the remote transceiver via a cable between the FDI and the remote transceiver, wherein the system further comprises a second transceiver coupled to the FDI and coupled to a remote transceiver via the cable.

34. (New) The communication system of claim 33, wherein the first transceiver is configured to establish its set of operational control settings based on the indication such that crosstalk introduced to a signal transmitted by the second transceiver is reduced.

35. (New) The communication method of claim 18, further comprising the step of transmitting a signal from the transceiver through the FDI, wherein the controlling step is performed based on the data such that crosstalk introduced to a signal transmitted through the FDI by a transceiver at a central office of the telecommunication network is reduced.